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U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Attomey Docket No.	000460-804	
First Inventor	Robert R. Rice	2
Title	See 1 in Addendum	
Express Mail Label No.	ET837519524US	0.00

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.				ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450					
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 21] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 2] 5. Oath or Declaration [Total Sheets 3] a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)				Alexandria VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. X Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure X Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s)					
		application, see 37 CFR	(if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35						
6. Appl	ication Data She	eet. See 37 CFR 1.76	or its equivalent. Other: Certificate of Express Mailing						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:									
	nuation		ition-in-part (C	IP) of prior appli	cation No.:				
Prior application		Examiner		Art Unit:					
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
•		19. CORRESPON	IDENCE AI	DDRESS					
Customer Number: OR X Correspondence address below						ldress below			
Name	Conne vi. Thousand, Northrop Grunnian Space								
Address & Mission Systems Corp Space Technology One Space Park, Bldg. E1/2041									
City Redondo Beach		State CA Zip Code 90278							
Country		Ť	elephone 3	310-813-1550	Fax	310-812-2687			
Name (Print/Type) Connie M. Thousand Registration No. (Attorney/Agent) 43,191									
Signature	1/100 0	" Though of			Date	03/15/2004			

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Addendum

1. LASER SOURCE COMPRISING AMPLIFIER AND ADAPTIVE WAVEFRONT/POLARIZATION DRIVER

Complete if Known

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Application Number

FEE	TRANSMITTAL	_
	for FY 2004	

for FY	2004	Filing Date	March 15, 2004	
		First Named Inventor	Robert R. Rice	
Effective 10/01/2003. Patent fees are s	ubject to annual revision.	Examiner Name	Unassigned	
Applicant claims small entity status.	See 37 CFR 1.27	Art Unit	N/A	
TOTAL AMOUNT OF PAYMENT	(\$)810.00	Attorney Docket No.	000460-804	

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)					
Check Credit card Money Other None				3. ADDITIONAL FEES					
Check Credit card Order Order							Entity		
X Deposit Account:				Fee	Fee	Fee	Fee	Fee Description	
Deposit Account		14-1325		Code	(\$)	Code	(\$)	ree bescription	Fee Paid
Number		14-1323		1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account No	orthrop (Grumman Corpo	ration	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name Land	orized to:	check all that apply)		1053	130	1053		Non-English specification	
X Charge fee(s) ind		· · · · · ·	verpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
		or any underpayment of	fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
		v, except for the filing		1805	1,840*	1805	1 840*	Requesting publication of SIR after	
to the above-identified				1000	1,040	1000	.,	Examiner action	\vdash
		LCULATION		1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING		20017(11011		1252	420	2252	210	Extension for reply within second month	<u> </u>
Large Entity Small				1253	950	2253	475	Extension for reply within third month	igsquare
Fee Fee Fee	Fee Fe	e Description	Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
Code (\$) Code 1001 770 2001		Utility filing fee		1255	2,010	2255	1,005	Extension for reply within fifth month	
		Design filing fee	770.00	1401	330	2401	165	Notice of Appeal	
1002 540 2002		Plant filing fee		1402	330	2402		Filing brief in support of an appeal	
1003 330 2003		Reissue filing fee		1403	290	2403		Request for oral hearing	
1004 770 2004		Provisional filing fee		1451	1,510	1451	1.510	Petition to institute a public use proceeding	
1003 100 2003				1452	110	2452		Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 770.00				1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1501	1,330	2501		Utility issue fee (or reissue)		
	E	Fee fro xt <u>ra Claim</u> s <u>below</u>		1502	480	2502		Design issue fee	
Total Claims	-20**	= 0 x] =]	1503	640	2503		Plant issue fee	
Independent 2	2 - 3** =	: 0 x] =]	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent =		1807	50	1807		Processing fee under 37 CFR 1.17(q)			
Large Entity Sma	all Entity			1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee Code (\$)	e Fee de (\$)	Fee Description		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
	2202 9 2201 43	Claims in excess of 20 Independent claims in	evees of 3	1809	770	2809	385	Filing a submission after final rejection	
	2203 145	Multiple dependent cla		1810	770	2810	385	(37 CFR 1.129(a)) For each additional invention to be	
	2204 43 ** Reissue independent claims			1		examined (37 CFR 1.129(b))			
		over original patent		1801	770	2801		Request for Continued Examination (RCE)	
1205 18 2	2205 9	** Reissue claims in ex and over original pat		1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$)				fee (s				<u> </u>	
**or number previously paid if greater For Reissues see above				*Red	uced by	/ Basic	Filing F	Fee Paid SUBTOTAL (3) (\$)	40.00

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Practitioner's Docket No. 000460-804

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Rice, Robert R.; Wickham, Michael G.; and Komine, Hiroshi

Application No.: Group No.: N/A
Filed: March 15, 2004 Examiner: Unassigned

For: LASER SOURCE COMPRISING AMPLIFIER AND ADAPTIVE

WAVEFRONT/POLARIZATION DRIVER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number ET837519524US Date of Deposit 03/15/2004

I hereby state that the following attached papers or fee

Utility Patent Application Trans. 2 pgs; Fee Transmittal in duplicate; New Patent Application 21pgs. (Specif. 15pgs., Claims (13) 5pgs., Abstract 1pg.), 2 Sheets Formal Drawings (Figs. 1-2), Declaration 3 pgs., Assignment 1pg., PTO-1595 in duplic., Information Disclosure Statement and PTO-1449 in duplic. with cited art

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Lorna L. Schott

Signature of person mailing paper or fee